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CIA-RDP86-00513R001651130007-7

SKROVANEK, Ambroz

Improvement of the Sonet Duo tape recorder. Sidel tech 12 nc.  
10:379 0 :64.

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CIA-RDP86-00513R001651130007-7"

KLEN, R., MUDr; SKROVINA, B., MUDr

Growth zone, a new material for osteoplasty. Rozhl.chir. 34 no.8:  
479-483 Oct 55.

1. Tkanova ustredna a katedra orthopedie VLA.

(TRANSPLANTATION,

bone tissue, heterogenous grafts from cartilagenous  
margin, osteogenic properties (Cz))

(BONE TISSUE, transplantation

heterogenous grafts from cartilagenous margin, osteogenic  
properties (Cz))

SKROVINA, B.  
~~KLEN, SKROVINA~~

Category: Czechoslovakia/General Biology. Individual Development. B-4

Abs Jour: Referat Zh.-Biol., No 6, 25 March 1957, 21531

Author : Klen<sup>B</sup>, Shkrovina B.

Inst : not given

Title : A solution for preserving bone tissues and cartilage.

Orig Pub: Rozhl. chirurg., 1955, 34, No 8, 483-487

**Abstract:** A solution prepared from available supplies is suggested instead of a merthiolate preservative. Into a 3 liter retort, containing 500 ml of water, the following substances are dissolved in the following order, or solutions added; however, always after the previous substance has been fully dissolved: 9.714 g CH<sub>3</sub>COOH.3 H<sub>2</sub>O; 14.714 g of sodium salt of diethylbarbituric acid; 200 ml of 8.5% NaCl; 400 ml 0.1 N HCl; 1400 ml of water; 12.5 ml carbolic acid; 0.005 g of phenol red, dissolved in 1.4 ml of 0.1 N NaOH; this solution at pH 7.6 acquires a light pink color. Water triple distilled from glass should

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SKROVINA, Branislav

Relation of Prof. Dr. J. Vavrda to the Slovaks. Acta chir. orthop.  
traum. cech. 25 no. 2 '78 Apr 58.

1. Ortopedicka klinika VIA, Hradec Kralove.

(BIOGRAPHIES

vavrda, Jaroslav (Cz))

FIAIA, Oldrich; SKROVINA, Bronislav

Osteochondrodystrophic changes in the epiphyses in the treatment of  
congenital dysplasia of the hip joint. Acta chir. orthop. traum. czech.  
25 no.2:111-117 Apr 58.

1. Ortopedicka klinika VIA J. Ev. P. v Hradci Kralove. O. F., Hradec  
Kralove, Nerudova 3.

(DYSCHONDROPLASIA

osteochondrodystrophy of epiphyses in congen. dysplasia of  
hip (Cz))

(HIP, abnorm.  
dysplasia, with osteochondrodystrophy of epiphyses. (Cz))

*Skrovina, B.*  
VAVRDA, Jaroslav; SKROVINA, Branislav; KOTRBA, Frantisek

Autogenous cartilage in transplantation for plastic surgery of joints.  
Acta chir. orthop. traum. cech. 25 no.3:165-175 May 58.

1. Katedra ortopedie Vojenske lekarske akademie J. E. Purkyne v  
Hradci Kralove, prednosta prof. MUDr. Jaroslav Vavrda.

(JOINTS, surg.

plastic surg., with autogenous cartilage transpl. (Cz))

(CARTILAGE, transpl.

autogenous, in plastic surg. of joints (Cz))

SKROVINA, Branislav

Role of the rectus femoris in congenital dislocation of hip. Acta chir.  
orthop. traum. czech. 25 no.3:229-240 May 58.

1. Ortopedicka klinika VLA J. Ev. P. v Hradci Kralovem K sesidesiatinam  
prof. J. Vavrdou.

(HIP, disloc.  
congen., pathogenic relation to rectus femoris develop. (Gz))

SKEOLINA, B.

1. "Professor Stanisław BURAT, MD and Doctor of Sciences, is Sixty," material; pp. 521-522.

2. "Postoperative Complications and After-Treatment in Patients Having Unilateral or Bilateral Operation Using Extracorporeal Circulation," by K. W. UNIKOWSKI, I. PIĘKLIK, E. WŁODCZIAK, M. SĘPIELAŃSKI, V. BŁĘDKOWICZ, M. RUSKA and J. CHUDZICKI (Institute of Plastic Surgery and the Facial Faculty of Comenius University [Institute of Plastic Surgery headed by (professor) K. BŁĘDKOWICZ, corresponding member of the PAN], No. 2 Plastic Surgery Clinic, Faculty of Medicine, Comenius University [see No. 2]; Chair of Generalized Academy of Sciences]); pp. 523-533 (Polish summary).

3. "Controversial Problems in the Diagnosis of Bone Tumors and Similar Bone Abnormalities," by J. FERENTAKOWSKI (professor) and corresponding member of the PAN [Sofroniewka Ward; Institute of Orthopaedics and Traumatology, Faculty of Medicine, Comenius University [Orthopaedics and B. SCREIBER, of the Orthopaedic Clinic (Orthopaedics and Biokinetics) at the Medical Faculty of Comenius University [see No. 2] in Bratislava]; pp. 535-538 (English summary).

4. "Therapeutic Cranioplasty and Cranial Vacuum Fixation -- Therapy Results in 55 Patients," by docent J. ZWOLAK, MD head of the Clinic of Plastic and Brain Surgery (Clinica chirurgia i neurologia) of the Medical Faculty of Comenius University [see No. 2] in Bratislava; pp. 539-550 (English summary).

5. "Tissue-Specific Treatment of the Small Intestine," by K. GĄGĘCIEL of the No. 1 Surgery Clinic at the Medical Faculty of Comenius at the No. 1 Surgery Clinic [see No. 2] in Bratislava, headed by professor K. GĄGĘCIEL, MD; pp. 551-552.

6. "On the Problem of the Intravascular Implantation of Autologous Arteries at the Site of Increasing Vascular Blood Flow," by S. WŁODCZIAK of the Dept. of Plastic Surgery [Clinic at the Medical Faculty of P. J. Matejko and B. Bierutowski of the Medical Faculty, Lublin]; Faculty of Medical Sciences, Lublin University [Lublin Medical University [see No. 2]; professor J. KUŁASZEWSKI, MD; prof. dr. J. SABRAK] in Koszalin; editor: professor J. KUŁASZEWSKI, MD; pp. 553-560 (English summary).

7. "On the Problem of Indication to the Resection Treatment of Patients with Fibrosarcomatous Tumors in the Lungs," by M. KUCHCIŃSKI, O. ALI, prof. dr. med. M. KOSMOWSKI and M. GŁAŻAŃSKI. From the Institute of Pathological Anatomy [Pathologo-anatomical Laboratory] or Department of Pathological Anatomy [Pathology] in Olomouc, headed by prof. dr. med. Dr. sc. hab. J. ŠAFRÁK [Institute of Pathological Anatomy, University of Olomouc (Olomouc University) or Institute of Pathological Anatomy, University of Olomouc (Olomouc University)]; pp. 561-569 (English summary).

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CERVENANSKY, J.; SKROVINA, B.; MAAR, D.

Use of fibular bone grafts in reconstructive surgery. Chir. narzad.  
ruchu ortop. pol. 27 no.3:297-307 '62.

1. Z Kliniki Ortopedycznej Uniw. Komenskego w Bratyslawie Kierownik:  
Czl. koresp. Stow. Akad. Nauk prof. dr J. Cervenansky.  
(BONE TRANSPLANTATION) (FIBULA)

CERVENANSKY, J.; SKROVINA, B.

Controversial problems in the diagnosis of bone tumors and similar  
bone lesions. Bratisl. lek. listy 42 no. 9: 535-547 '62.

1. Z Ortopedickej kliniky Lek. fak. Univ. Komenskeho v Bratislave,  
prednosta clen koresp. SAV J. Cervenansky.

(BONE DISEASES diag) (BONE AND BONES neopl)

SKROVINA, B.; CERVENANSKY, J.; LANIK, V.; L'ANIKOVÁ, V.

Capsular arthroplasty of the hip joint. II. Morphological findings on the normal and dysplastic acetabulum. Bratisl. lek. listy 1 no.11:671-679 '64

Capsular arthroplasty of the hip joint. III. Rehabilitation in residual states after capsular arthroplasty. I.

1. Ortopedicka klinika Lek. fak. Univerzity Komenskeho v Bratislavе; veduci: prof. dr. J.Cervenansky.

KREJCIK, J., LAKA, F., KREOVSKA, E.

Problems in fractures of the upper segment of the tibia, review  
of our clinical material, failures, current status and prospects  
for the future. Acta chir. orthop. traum. Cech. 31 no.4:290-  
303 Br 1964.

1. Chirurgické klinika Lekarskej fakulty University Komenskeho  
v Bratislave, (prednosta prof. dr. J. Serebrenky).

CERVENANSKY, J., KALM N., E., MICEK, V., MAAS, D., MATOVICKY, V.,  
ZEBOVSKA, E.

Teratogenic influences on chick embryos. Acta chir. orthop.  
traum. Czech. 31 no.4:304-312 Ag '64.

1. Ortopedicka klinika Lekarskej fakulty University Komenskeho  
v Bratislave, (prednosta prof. dr. J. Cervenansky) a Vyskumný  
ustav hydriarsky Ceskoslovenske akademie ved, v Tvarozi pri  
Lunaju (prednosta dr. V. Landau).

TRNAVSKY, K.; TRNAVSKA, Z.; SKROVINA, B.

Connective tissue lesions of the locomotor system in experimental lathyrism. Bratisl. lek. listy 44 no.2:65-70 31 Jl '64.

1. Vyskumny ustav reumaticich chorob v Piestanoch (veduci doc. MUDr. S. Sitaj) a III oddelenie Laboratoria pre vyskum chirurgickej patofyziologie pri Lek. fak. Univerzity Komenskeho v Bratislave (veduci clen koresp. SAV J. Cervenansky).

CERVENANSKY , J.; SKROVINA,B.; LANIK, V.; LANIKOVA, V.

Capsular arthroplasty of the hip joint. I. Clinical part.  
Bratisl. lek. listy 44 no.9:545-557 '64

1. Ortopedicka klinika Lekarskej fakulty Univerzity Komen-  
skeho v Bratislave; veduci: prof. MUDr. J. Cervenansky.

SKROVINA, B.; SPISSAK, L.

Functional reconstruction of the hip after capsular arthroplasty.  
Bratisl. lek. listy 45 no.2:103-107 31 Ja '65

1. Ortopedicka klinika lek. fak. Univerzity Komenskeho v Bratislave  
(veduci akademik J. Cervenansky), a Detsky ustav telesne chybnych  
v Bratislave (veduci primar MUDr, L. Spissak).

TRNAVSKY,K.; SKROVINA, B.; TRNAVSKA,Z.

Biochemical and morphological changes in the connective tissue  
of cartilages and bones during an inflammatory process. Bratisl.  
lek. listy 45 no.5:300-308 15 Mr '65

1. Vyskumný ustav reumatických chorob v Piešťanoch (veduci: doc.  
MUDr. S. Sitaj) a Ortopedická klinika Lekarske fakulty Univerzity  
Komenskeho v Bratislave (veduci: prof. akademik J. Červenansky,  
DrSc.).

SKROVINA, B.

Morphological and functional characteristics of true bone tumors.  
Acta chir. orthop. traum. Cech. 32 no.3:221-229 Je '65.

1. Ortopedicka klinika lekarskej fakulty Univerzity Komenskeho  
v Bratislave (prednosta akademik Slovenskej akademii vied  
J. Cervenansky.

CERVENANSKY, J.; KALMAN, E.; MAAR, D.; SKROVINA, B.

Fibular grafts in substituting defects after the resection of  
tumors and similar conditions. Acta chir. orthop. traum. Cech.  
32 no.5:392-396 O '65.

1. Ortopedicka klinika Lekarskej fakulty Univerzity Komenskeho  
v Bratislave (prednosta akademik Slovenskej akademie vied  
J. Cervenansky).

Physiology

CZECHOSLOVAKIA

TRNAVSKY, K.; TRNAVSKA, Z.; SKROVINA, B.; CEBECKAUER, L.; Research Institute of Rheumatic Diseases (Vyzkumny Ustav Reumaticickyh Chorob), Piestany.

"An Attempt to Influence the Defect of Collagen Proteins in Experimental Lathyrism by Means of Antirheumatics."

Prague, Ceskoslovenska Fysiologie, Vol 15, No 5, Sep 66, p 409

Abstract: Treatment of animals suffering from lathyrism by means of hydrocortisone and sodium salicylate was investigated. The drugs were administered parenterally to rats who received a diet containing 60% *Lathyrus odoratus*. The drugs reduced the amount of collagenous proteins soluble in 0.14 M NaCl solution and of dialyzed hydroxyproline. Some healing of lathyrism lesions was observed. No references. Submitted at 14 Days of Pharmacology at Smolenice, 15 Feb 66.

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RADEMACHER, R., DVM; KALAB, DVM; VAŠÁTKO, Z., DVM;  
SKROVNY, R.

Czechoslovakia

Brno, Veterinařství, No 2, 1963, pp 53-54

"The First Case of Pseudorabies of Cattle Found in the  
Region of East Bohemia."

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Bc

Synthesis of *o*-triphenylbenzene and *o*-tri(benzylophenyl)benzene. X. SKOWACKWA and E. SUCHARDA (Rec. Chem., 1933, 25, 157-158).  
*p*-Diphenyl-Mo ketone and cone. HCl (180°; 34 hr.) or Ph<sub>3</sub>SO<sub>2</sub>H (100°; 7 hr.) yield *o*-triphenylbenzene, m.p. 222°, oxidized by CrO<sub>3</sub> in AcOM to *p*-C<sub>6</sub>H<sub>4</sub>Ph-COOH. CH<sub>2</sub>-Ph-C<sub>6</sub>H<sub>4</sub>-COOMe and cone. HCl (180°; 60 hr.) afford *o*-tri(benzylophenyl)benzene, m.p. 168-169°, oxidized similarly to *p*-C<sub>6</sub>H<sub>4</sub>Ph-COOH. R. T.

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APPROVED FOR RELEASE: 07/13/2001

CIA-RDP86-00513R001651130007-7"

*S. Krowiak-Jazewski, Zofia Skrowaczewska.*

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I. Sulfonation of aromatic amines. Zofia Skrowaczewska.  
Trav. soc. sci. et lettres Wrocław Ser. B, No. 61, 8, 1935, 1, 15.  
Ann. Acad. sci. techn. Warsaw 7, 131 (1946).—In the sulfonation  
of aromatic amines the process of baking the intermediate sulfamic acids at higher temp. leads to a single

product with the SO<sub>3</sub>H group para to NH<sub>2</sub> (or ortho if the *p*-position is blocked). Higher yields of sulfonated amines were obtained by carrying out the baking process in the presence of a solvent, Ph<sub>3</sub>SO<sub>3</sub>I (I). I was prep'd. by an improved method in a steam-distn. app. Dry thiophene-free C<sub>6</sub>H<sub>6</sub> (2 l.) was heated to boiling in a 3-l. round-bottom flask, the C<sub>6</sub>H<sub>6</sub> vapor led into a distg. flask contg. 100 g. H<sub>2</sub>SO<sub>4</sub>, H<sub>2</sub>O heated to 130°, the azeotrope of water and C<sub>6</sub>H<sub>6</sub> distg. from the flask collected in a 1-l. graduated cylinder, the temp. in the distg. flask raised to 180° after 20 min. and to 200–15° after 2 hrs., the reaction continued 10–12 hrs. with occasional addns. of C<sub>6</sub>H<sub>6</sub> to the round-bottom flask until 60–40 cc. water had collected in the cylinder, the mixt. let stand several hrs., and the ppt. filtered, washed with hot water, and dried yielding 145–65 g. I, m. 104–10° depending on the run (128–9° after recrystn. from MeOH or C<sub>6</sub>H<sub>6</sub>). The crude I was used in the sulfonations. The filtrate from the crude I, contg. Ph<sub>3</sub>SO<sub>3</sub>I was concd., returned to the distg. flask, and used just like H<sub>2</sub>SO<sub>4</sub>, H<sub>2</sub>O for further prep'n. of I. *Naphthionic acid* (II) was prep'd. by adding dropwise with stirring 318 g. 98% H<sub>2</sub>SO<sub>4</sub> to a fused mixt. of 500 g. C.P. I–C<sub>6</sub>H<sub>5</sub>NH<sub>2</sub> and 1000 g. I heated to 140° in an open autoclave, the autoclave closed, evacuated to 12–14 mm. Hg, and the contents brought to 203° in 1 hr.; heating and shaking 4 hrs. at this temp. gave on cooling a solid mixt. which was dissolved in a soln. of 170 g. NaOH in 1560 cc. water, the I sepd., again treated with 17 g. NaOH in 1000 cc. water, and the combined filtrates were decolorized with 30 g. activated C; a small excess of HCl added to the soln. and the ppt. dried gave 710 g. (91.8%) of a product slightly tinged pink but contg. practically 100% II. Crude I (970 g., 97%), m. 95–105°, could be re-used once more for the prep'n. of II.

Before the 3rd run I (300 g.) was purified by triturating in a mortar with two (110 cc. and 100 cc.) portions of C<sub>6</sub>H<sub>6</sub> and filtering each time to give, after drying, 240 g. purified I, m. 112–13°, suitable for re-use in sulfonation. *Sulfamic acid* (III) was prep'd. as above from 500 g. C.P. PhNH<sub>2</sub>, 500 g. I, and 500 g. 103% H<sub>2</sub>SO<sub>4</sub> by heating to 130–3° in 1 hr., continuing the heating with shaking 8 hrs., sepg. the I from the product by boiling with C<sub>6</sub>H<sub>6</sub>, and dissolving the residue in hot water to give on cooling 880 g. (94.6%) III. 3,4-Me<sub>2</sub>(H<sub>2</sub>N)C<sub>6</sub>H<sub>3</sub>SO<sub>3</sub>H (IV) was obtained by heating to 185° at 12–14 mm. Hg 120 g. I, 40 g. C.P. o-toluidine, and 20.1 cc. H<sub>2</sub>SO<sub>4</sub> in a 500 cc. flask, continuing the heating 7 hrs., and boiling the product several times with C<sub>6</sub>H<sub>6</sub> to remove I; the residue (69.8 g.) contained 2.1% o-toluidine and 68.4 g. (97.8%) IV. Sucharda's app. for carrying out the sulfonation baking process for long periods at const. temps. was used in all subsequent reactions. It consisted of a 50 × 250 mm. test tube (A) with a 1000 × 12 mm. vertical side arm (C) and a narrower (30 mm.) reaction tube (B) fitted inside tube A by a ground-glass joint at the mouth of A and equipped at the top with a short side arm (D); tube B was closed with a rubber stopper and its side arm D was connected to a water pump. Tube A, serving as heating bath, contained 3–4 cm. of the refluxing liquid whose vapors heated tube B and condensed in side arm C. In this app. the following sulfonations were carried out at reduced (water pump) pressure (yield in the absence of I given in parentheses): 10.6 g. o-toluidine, 9.8 g. H<sub>2</sub>SO<sub>4</sub>, and 15 g. I 10 hrs. at 180° (aniline bath) gave 95.1% (93.4%) IV and 95.7% recovered I; 10 g. 2-C<sub>6</sub>H<sub>5</sub>NH<sub>2</sub>, 6.9 g. H<sub>2</sub>SO<sub>4</sub>, and 15 g. I 5 hrs. at 250° (Ph<sub>3</sub> bath) gave 76.3% (63%) 2,6-H<sub>2</sub>N<sub>2</sub>C<sub>6</sub>H<sub>3</sub>SO<sub>3</sub>H; 11 g. benzidine, 12.2 g. H<sub>2</sub>SO<sub>4</sub>, and 20 g. I 7 hrs. at 250° gave 60.5% (51.8%) [4,3-H<sub>2</sub>N(HO<sub>2</sub>S)C<sub>6</sub>H<sub>3</sub>]; 10 g. 2-aminopyridine, 10.5 g. H<sub>2</sub>SO<sub>4</sub>, and 15 g. I 15 hrs. at 250° gave 32.4% (34%) (low yield because of insol. of the intermediate in I) 2-amino-6-pyridinesulfonic acid, m. 334° (from aq. alc.), and 99.5% recovered I; 10 g. o-C<sub>6</sub>H<sub>5</sub>NH<sub>2</sub>, 7.7 g. H<sub>2</sub>SO<sub>4</sub>, and 15 g. I 4 hrs. at 180° gave 89% (61.5%) 3,4-C<sub>6</sub>H<sub>3</sub>(H<sub>2</sub>N)C<sub>6</sub>H<sub>3</sub>SO<sub>3</sub>H, isolated as the Ba salt; 10 g. m-C<sub>6</sub>H<sub>4</sub>NH<sub>2</sub>, 7.7 g. H<sub>2</sub>SO<sub>4</sub>, and 15 g. I 5 hrs. at 180° gave

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93.5% (36.3%) 4,2-C(H<sub>2</sub>N)C<sub>6</sub>H<sub>4</sub>SO<sub>3</sub>H, decomp. 330°; 10 g. *p*-ClC<sub>6</sub>H<sub>4</sub>NH<sub>2</sub>, 7.7 g. H<sub>2</sub>SO<sub>4</sub>, and 15 g. I 7 hrs. at 180° gave 94% (83.8%) 5,2-C(H<sub>2</sub>N)C<sub>6</sub>H<sub>4</sub>SO<sub>3</sub>H and 96% recovered I; 10 g. *m*-O<sub>2</sub>NC<sub>6</sub>H<sub>4</sub>NH<sub>2</sub>, 7.2 g. H<sub>2</sub>SO<sub>4</sub>, and 15 g. I 10 hrs. at 152° (PbBr bath) gave 79% 4,3-H<sub>2</sub>N(O<sub>2</sub>N)C<sub>6</sub>H<sub>4</sub>SO<sub>3</sub>H (71%), isolated as the Ba salt; 10 g. *m*-O<sub>2</sub>NC<sub>6</sub>H<sub>4</sub>NH<sub>2</sub>, 7.2 g. H<sub>2</sub>SO<sub>4</sub>, and 15 g. I 11 hrs. at 180° gave 44.3% (16.3%) 2,4-H<sub>2</sub>N(O<sub>2</sub>N)C<sub>6</sub>H<sub>4</sub>SO<sub>3</sub>H, isolated as the Ba salt; 10 g. *p*-O<sub>2</sub>NC<sub>6</sub>H<sub>4</sub>NH<sub>2</sub>, 7.2 g. H<sub>2</sub>SO<sub>4</sub>, and 15 g. I 5 hrs. at 164° (methylcyclohexanol bath) gave 26% (22.5%) 3,5-H<sub>2</sub>N(O<sub>2</sub>N)C<sub>6</sub>H<sub>4</sub>SO<sub>3</sub>H.

Janina R. Spencer

**Preparation of nicotinic and quinolinic acids from 8-hydroxyquinoline.** Zofja Skowaczewska, Rzeczyki Chem. 22, 154-8 (1948). S-Hydroxyquinoline (I) (50 g.), treated with 200 g. 37% HNO<sub>3</sub> with cooling, and heated 1 hr., gave a ppt. of 5,7-dinitro-S-hydroxyquinoline (II); addn. of 200 g. 72% HNO<sub>3</sub> to the ppt., boiling 18 hrs., distn. of the HNO<sub>3</sub> and H<sub>2</sub>O *in vacuo*, and addn. of cold Hg<sup>2+</sup> gave a soln. [contg. nicotinic acid (III) as the nitrate, and part of the quinolinic acid (IV)], and a residue which consisted of crude IV (35%). The soln. on evapn. and thermal decompr. (oil bath at 190-200°) gave, with evolution of N oxides and CO<sub>2</sub> 20% more III, m.p. 222°. The total yield of III and IV was 91%. To increase the yield of III, the reaction mixt. (after treatment with HNO<sub>3</sub>) was evapd. *in vacuo*, the residue heated at 190-200° until III began to sublime, dissolved in H<sub>2</sub>O, and the soln. filtered and dried to give 90% III, m.p. 222.5°; on crystn. from H<sub>2</sub>O with addn. of H<sub>2</sub>O in 230° H<sub>2</sub>, m.p. 220°, was prep'd. in 67.4% yield by addn. of 40 g. 37% HNO<sub>3</sub> to 10 g. I, heating the mixt. 4 hrs. (after the initial exothermic reaction), diln. with H<sub>2</sub>O, and filtration.

H. H. Szwarc

SKROWACZEWSKA Z.

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POL. 4

3181

547.201-233.1-118 : 547.621 : 078.049.13

Skrowaczewska Z., Mastalerz P. On Certain Properties and Reactions  
of Dichlorophosphoric Acid Dimethylamide.

"O pewnych właściwościach i reakcjach dwumetyloimidu dwuchlorko-  
fosforowego". Roczniki Chemii (PAN). No. 4, 1953, pp.443-455.

Syntheses of diphenyl and diresyl dimethylamide-phosphate were  
made by means of the reaction of dichlorophosphoric acid dimethylamide  
with phenol, and their qualities as plasticizers were determined. Optimal  
conditions for synthesis and the structure of the intermediates were  
established. The action of hydrogen chloride on the P-N bond in the  
reaction products and in the outset compound was ascertained.

POL

Sulphonation of aromatic amines. Z. Skrowaczewski (Roczn. Chem., 1954, 28, 385-390). The yields of aminosulphonic acids obtained by heating together amines and  $H_2SO_4$  are raised when diphenyl sulphone is added: this effect is ascribed to the solubility in the sulphone of amine hydro sulphates (except 2-aminopyridine), but not of the products. The sulphone is readily regenerated by extracting the sulphonic acids with aq. alkali, or by extracting the sulphone with  $MeOH$  or  $C_6H_6$ . The following products were obtained (yields with and without sulphone in parentheses): 2-aminonaphthalene-6-sulphonic acid (5 hr. at  $250^\circ/15$  mm.; 78.3 and 63%), benzidine-3 : 3'-disulphonic acid (7 hr. at  $250^\circ/15$  mm.; 69.5 and 51.8%), 2-aminopyridine-5-sulphonic acid (15 hr. at  $250^\circ/15$  mm.; 32.4 and 34.2%), 3-chloro-4-amino-benzenesulphonic acid (4 hr. at  $180^\circ/15$  mm.; 89.0 and 61.5%), 4-chloro-2-amino-benzenesulphonic acid (5 hr. at  $180^\circ/15$  mm.; 93.5 and 36.5%), 5-chloro-2-aminobenzenesulphonic acid (7 hr. at  $180^\circ/15$  mm.; 94.0 and 83.8%), 3-nitro-4-aminobenzenesulphonic acid (10 hr. at  $152^\circ/15$  mm.; 79 and 71%), 4-nitro-2-amino-benzenesulphonic acid (8 and 11 hr. at  $180^\circ$  and  $174^\circ/15$  mm.; 44.3 and 16.3%), and 5-nitro-2-aminobenzenesulphonic acid (5 and 10 hr. at  $164^\circ$  and  $147^\circ/15$  mm.; 26.0 and 22.5%). R. TRUSCOZ.

2

~~Zofia Skrowaczewska, Logia~~

CH Action of hydrogen halides upon the P-N bond in some amide derivatives of phosphoric acid. Zofia Skrowaczewska and Przemyslaw Mastalerz (Inst. Technol. Wroclaw, Poland). Roczniki Chem. 29, 415-30 (1955) English summary. RR'NPO(OEt)<sub>2</sub>, where R and R' = H, Et, Ph, react readily with HCl in anhyd. medium as follows: RR'NPO(OEt)<sub>2</sub> + 2HCl → RR'HN.HCl + ClPO(OEt)<sub>2</sub> (I). Thus Me<sub>2</sub>NPO(OEt)<sub>2</sub> gave 87% I and 88% Me<sub>2</sub>NH.HCl; Et<sub>2</sub>NPO(OEt)<sub>2</sub> in C<sub>6</sub>H<sub>6</sub> gave 73% I [isolated as PhNHPO(OEt)<sub>2</sub>] and 80% Et<sub>2</sub>NH.HCl, and PhMeNPO(OEt)<sub>2</sub> in C<sub>6</sub>H<sub>6</sub> gave 76% I and 87% PhMeN.HCl. Related Ph esters, with the exception of Me<sub>2</sub>NPO(OEt)<sub>2</sub>, gave poor yields of no yields, depending upon the reaction medium and temp. Cl atoms as substituents on the P atom made the P-N bond resistant to the action of HCl, except in the case of Me<sub>2</sub>NPOCl, which gave 84% POCl<sub>3</sub> and Me<sub>2</sub>NH.HCl. In a mixed amide H<sub>2</sub>N(Me<sub>2</sub>CHN)P(O)OPh, the Me<sub>2</sub>N was eliminated and in (Me<sub>2</sub>N)<sub>2</sub>POF both Me<sub>2</sub>N groups were split off. HBr affected the P-N bond similarly but more strongly than HCl and gave good yields with the Ph esters and with Me<sub>2</sub>NPOCl. The action of HI was accompanied by side reactions, and HF was inactive. Hence the order of the ability of substituents on the N to facilitate the action of HCl was Me > Et > Ph ≥ H, and the corresponding sequence for substituents on the P atom was EtO > PhO > Cl.

P. Dreyfuss

①

5  
80

SKROWACZEWSKA, ZOFIA

*Reaction of organic acids with phosphoric acid amide*  
Zofia Skrowaczewska and Franciszek Mastalerz (Polish  
Academy of Sciences, Warsaw, Poland), Rocznik Chem. 31, 601-6

1957 (English summary).—It was found that org. acids (I)  
are converted into corresponding amides (II) by heating with  
ammonium dihydrogenphosphate at 100°C for 15 min. In some  
cases (I) are converted directly to (III) without (II) being  
isolated. The yields of (II) and (III) depend on the nature of the  
carboxylic acid (I) and the reagent used. Thus, the yield of (II)  
and (III) with phosphoric acid amide (IV) is 61% and 14%  
respectively. The yields are as follows. Benzoic acid (100 g.) at  
42° gave 61% II, 14% III, 64% IV. Cinnamic acid (100 g.) at  
42° gave 61% II, 22% III, 72% IV. Phenylacetic acid  
(210-42°, 20 min.) gave 63% II, 59% IV. Chloroacetic  
acid (180-200°, 15 min.) gave 40% II and 16% III. The  
possibility of obtaining by this method amides of aliphatic  
chloro acids contg. reactive Cl seems to be especially  
advantageous. A. Kreglewski

REF ID: A651130007  
PUBLISHER: Chemical Abstracts Service, Division of Chemical Information Services

ISSN: 0008-4010, No. 1 1960, No. 1 1960

AUTHOR: Sternbach, Z.; Tylor, R.

TITLE: Reactions of Sulfamides with Some Organo-P  
roducts of Phosphoric Acid

JOURNAL: Ind. Eng. Chem., Res. Ed., Vol. 1, 51-56

ABSTRACT: As a result of the reaction of sulfamides (I) with  $(Ar^{\prime})_2PO(OH)_2$  (II),  $Ar^{\prime}PO(OH)_2$  (III),  $(Ar^{\prime}O)_2PO(OH)$  (IV) and  $R_2NHCl_2$  (V) (wherein Ar' =  $CH_3$ , R =  $CH_3$ ) there are formed, respectively,  $Ar^{\prime}NH_2(O)(OAr)^2$  (VI) (everywhere Ar' =  $CH_3$ ),  $Ar^{\prime}NH_2(O)PO(OH)_2$  (VII),  $Ar^{\prime}NH_2(O)PO(OH)_2$  (VIII) and  $(Ar^{\prime}NH_2)_2P(O)NR_2$  (IX). II and V with the Na-salts of I give  $Ar^{\prime}NH_2(O)(OAr)^2$

PAGE: 1/4.

12.77

SKROWACZEWSKA, Z.; BAN, H.

On the presentation of 3-nitro-2-methyl-pyridinaldehyde-6 from 2,6-dimethyl-3-nitropyridine. Bul chim PAN 9 no.4:213-215 '61.

1. Katedra Chemii Organicznej I. Politechnika, Wroclaw. Presented by T. Urbanski.

(Nitrogen) (Methyl) (Pyridinium compounds)  
(Nitropyridine)

SKROWACZEWSKA, Zofia; ACHREMOWICZ, Lucjan

On the action of sulfuric acid and sulfonic acid upon phosphoric acid N,N-dimethylamidoesters. Rocznik chemii 36 no.3:425-431  
'62.

1. Department of Organic Chemistry, Institute of Technology,  
Wroclaw.

SKROWACZEWSKA, Zofia; BAN-OGANOWSKA, Hanna

Obtaining 3-nitro-2-methyl-pyridinaldehyde-6 from 2,6-dimethyl-  
3-nitropyridine. Rocznik chemii 37 no.4:359-365 '63.

1. I Katedra Chemii Organicznej, Politechnika, Wroclaw.

L 00918-67 EWP(j) WW/JW/RM  
ACC NR: AF0035462 (N)

SOURCE CODE: PO/0099/66/040/004/0637/0642

AUTHOR: Tomasik, Piotr and Skrowaczewska, Zofia, of the Department of Organic Chemistry I, Institute of Technology (Katedra Chemii Organicznej I Politechniki), Wroclaw. 22  
B3

"Reduction of 3,5-Dinitropyridine and its Derivatives Substituted in Position 2 by First Order Substituents. Part III. Reduction of 2-Amino and 2-Hydrazino-3,5-Dinitropyridines"

Warsaw, Roczniki Chemii, Vol 40, No 4, 1966, pp 637-642.

Abstract: The reduction of 2-amino- and 2-hydrazino-3,5-dinitropyridines, as well as 2,4-dinitrophenylhydrazine is described. All the reduction products are unstable when exposed to air and have not been isolated as free bases. 2,3,5-triaminopyridine, 2-hydrazino-3,5-diaminopyridine and 2,4-diaminophenylhydrazine were isolated as either hydrochlorides, picrates or acetyl derivatives. Orig. art. has: 2 figures. /JPRS: 36,862/

TOPIC TAGS: chemical reduction, nonmetallic organic derivative, pyridine

SUB CODE: 07 / SUBM DATE: 23 Jul 65 / ORIG REF: 002 / OTH REF: 007

Card 1/1 bth

1021 3180

"APPROVED FOR RELEASE: 07/13/2001

CIA-RDP86-00513R001651130007-7

SKROZKIY, G. V. ZIGARCHENKO, V. F., KURBATOV, L. V. (Sverdlovsk)

"A Contribution to the Faraday and Kerr Effects for the Radio Frequency," paper presented at the International Conference on Physics of Magnetic Phenomena, Sverdlovsk, USSR, 23-31 May 1956.

APPROVED FOR RELEASE: 07/13/2001

CIA-RDP86-00513R001651130007-7"

KHEYFETS, L.B.; KILESSO, V.A.; KAPIAN, A.Ye.; GURALEVICH, G.S.; TIMEN, Ya.Ye.;  
SKROZNIKOVA, A.V.; GUSEVA, Yu. I.

Epidemiological results of an investigation of polyvaccine. Zhur. mikrobiol.  
epid. i immun. 29 no.10:44-48 o '58. (MIRA 11:12)

(VACCINES AND VACCINATION,  
typhoid paratyphoid-dysenterial polyvaccines, field re-  
sults (Rus))

(DYSENTERY, BACILLARY, prev. & control,  
same)

(TYPHOID FEVER, prev. & control,  
same)

(PARATYPHOID FEVER, prev. & control,  
same)

SKRSHIDLOVSKAYA, G.

CZECHOSLOVAKIA / Microbiology. Microbes Pathogenic to Humans and F-3  
Animals

Abs Jour : Ref Zhur - Biol., No 2, 1958, No 5255

Author : Kalina, Kruml', Skrshidlovskaya, Gledikova

Inst : Not given

Title : Cultivation of Mycobacterium Tuberculosis in Tissue Cultu-  
res.

Orig Pub : Rozhl. tunerk. a nemocech plnicich, 1956, 16, No 4, 178-  
180

Abstract : The medium for cultivating tubercular bacteria (TB) in  
tissue culture has the following composition: to a mix-  
ture of 80 parts of Hank's solution, 10 parts of embryo-  
nal extract and 10 parts of an active horse serum, are ad-  
ded 0.002% of phenol red and 100 units of penicillin per  
ml. The embryonal extract is prepared by emulsifying 0.6  
ml of embryonal tissue taken from a ten-day old hen fetus

Card : 1/2

MAVER, H.; GRGIC, Z.; TRENC, S.; BREMSAY, L.; BORAS, E.; SKRTIC, A.

Energy expenditure in textile workers. Arh. hig. rada 13 no.3:239-244  
'62.

1. Republicki Zavod za sastitu zdravlja, Odjel za higijenu prehrane  
i Vojna bolnica Zagreb.  
(TEXTILE INDUSTRY) (INDUSTRIAL MEDICINE)

5

MAVER, H.; GRGIC, Z.; TRENC, S.; BREMSAY, L.; BORAS, E.; SKRTIC, A.

Energy expenditure in female workers in a textile factory. Arh.  
hig. rada 13 no.4:299-305 '62.

1. Republicki Zavod za sástitu zdravlja, Odjel za higijenu prehrane,  
i Vojna bolnica, Zagreb.  
(ENERGY METABOLISM) (INDUSTRIAL MEDICINE)  
(TEXTILE INDUSTRY)

S

MESZAROS, Ivan, inz. CSc.; SKRUCANY, Rudolf, inz. CSc.

Operational weldability of cold-formed spot-welded steels. Stav cas  
12 no.2:68-84 '64.

1. Ustav stavebnictva a architektury, Slovenska akademia vied, Bratis-  
lava.

GELLER, B.A.; SKRUNTS, L.K.

Study of the mechanism of cyclization of cyclohexanone arylhydrazone  
with the aid of heavy nitrogen. Zhur. ob. khim. 34 no. 2:661-664 F '64.  
(MIRA 17:3)

1. Institut fizicheskoy khimii imeni L.V.Pisarzhevskogo AN UkrSSR.

ACC NR: AT6031908

SOURCE CODE: UR/0000/66/000/000/0053/0059

AUTHOR: Skrupnik, Yu. A. (Candidate of technical sciences, Docent); Skrupnik, V. I. (Aspirant)

ORG: Institute of Electrodynamics, AN UkrSSR (Institut elektrodinamiki AN UkrSSR)

TITLE: Methods and equipment for calibrating quadrature phase meters

SOURCE: Lvov. Politekhnicheskiy institut. Kontrol'no-izmeritel'naya tekhnika (Control and measurement techniques), no. 2, Lvov, Izd-vo L'vov. univ., 1966, 53-59

TOPIC TAGS: phase meter, phase shift, phase shift analysis, phase measurement, electric measuring instrument

ABSTRACT: Several methods for accurate error measurement in phase meters are suggested in this paper. The errors are defined as the difference  $\gamma$  between the phase shift angle at which the phase meter indicates zero and  $90^\circ$ . In modern phase meters,  $\gamma$  may range from a fraction of an angular minute to several degrees, depending on the instrument and the parameters of the input signals (levels, harmonics content, etc.). Hence, sensitivity techniques for calibration are necessary. To test a variable frequency phase meter in the audio frequency range, a signal generator is connected directly to one input of the phase meter and the other input is fed through a variable phase shifter. The phase shifter is adjusted until the phase meter indicates a null. The phase

Card 1/3

"APPROVED FOR RELEASE: 07/13/2001

CIA-RDP86-00513R001651130007-7

ACC NR: AT6031908

meter calibration at several frequencies. Block diagrams of each test set-up are included. Orig. art. has: 6 figures, 22 formulas.

SUB CODE: 09/ SUBM DATE: 25May66/ ORIG REF: 007

Card 3/3

APPROVED FOR RELEASE: 07/13/2001

CIA-RDP86-00513R001651130007-7"

ACC NR: AT6031908

difference of the input voltage at this point equals  $90^\circ \pm \gamma$ . The signals are then compared in a circuit consisting of a differential transformer, a rectifier, and a dc potentiometer. In addition, a phase sensitive detector is used to obtain a signal related to the difference of the two input voltages. The two measurements are made sequentially, and the resulting voltages related respectively to the sum and the difference of the input signals are noted. To eliminate the effects of instabilities, a second set of measurements is performed and the output voltages recorded. The error can now be computed from

$$\gamma = \frac{(U'_c + U''_c) - (U'_p + U''_p)}{4} \cdot \frac{U'_c}{U_1 U_2} \text{ radian}$$

where  $U'_c$ ,  $U''_c$  are voltages related to the sum of the signals,  $U'_p$  and  $U''_p$  are voltages resulting from the measurements of the difference in the signals, and  $U_1$ ,  $U_2$  are the two input signals. In the calibration of phase meters at a fixed frequency, a simpler system can be used. This system consists of a signal generator, a transformer, a bank of compensating capacitors, and resistors, forming an RC network which produces a phase shift of approximately  $90^\circ$ . The indicated phase angle is recorded and the secondary of the transformer is reversed to cause a  $180^\circ$  phase shift and the indication is noted again. Using this information, the actual phase meter error can be computed from the known values of the RC network components. A similar system is used for phase

Card 2/3

"APPROVED FOR RELEASE: 07/13/2001

CIA-RDP86-00513R001651130007-7

GROMOV, B.V.; AVILOV, I.A.; SEROTSKAYA, V.A.

Physiological criteria in the taxonomy of Chitrella algae.  
Vest. IGU 20 no.21:112-123 '65.

(MIRA 18-12)

APPROVED FOR RELEASE: 07/13/2001

CIA-RDP86-00513R001651130007-7"

L 08821-67

ACC NR: AT6023091

SOURCE CODE: UR/3200/65/000/004/0107/0114

AUTHOR: Vayvars, Yu.; Kokle, Yu.; Skruzitis, K.

ORG: none

TITLE: A new brushless frequency converter

SOURCE: AN LatSSR. Institut energetiki. Beskontaktnyye elektricheskiye mashiny, no. 4,  
1965, 107-114

TOPIC TAGS: frequency converter, rotary electric power converter, electric energy con-  
version, synchronous generator, synchronous electric motor

ABSTRACT: The authors describe the PCh-8 rotary frequency converter (designed, produc-  
ed and tested at the Institute of Power Engineering of the Academy of Sciences of the  
Latvian SSR) which has certain advantages over the existing models. The converter con-  
sists of a synchronous three-phase 50 cps brushless motor driving a synchronous three-  
phase 500 cps generator. Both units are contained in a single frame and have a common  
shaft. The motor has claw-like poles and an external magnetic circuit. The generator  
uses axial dc coils for excitation and multipole rotor and stator configurations. The  
new converter has the following parameters:

Card 1/2

L 08821-67

ACC NR: AT6023091

	Motor	Generator
Nominal power (kw)	7.5	6.4
Angular speed (rpm)	3000	3000
Voltage (volts)	380	400/230
Power factor ( $\cos \phi$ )	1.0	0.8
Frequency (cps)	50	500
Efficiency	0.85	0.80
Excitation voltage (volts)	65	33.5
Excitation current (A)	3.0	8.0
Overload capacity	1.68	

The overall efficiency of the converter is 0.75. The absence of brushes provides reliable service-free operation. The synchronous motor makes for constant output frequency. Orig. art. has: 9 figures, 1 table.

SUB CODE: 09/ SUBM DATE: none/ ORIG REF: 002

Card 2/2 nst

*SKRUZITIS, K.E.*

## PAGE I BACK EXPLANATION 50W/475

Akademija nauk Litovskoy SSR. Institute energetiki i elektrotehniki

Sistem elektroupravleniya transportnykh sredstv, 3 (Electrical Supply Systems for Means of Transportation, 3) Riga, 1960. 228 p. (Series: Iss. Trudy, 3)

Kreml'skij izd-vo.

Editorial Board: K.M. Rabushchik (Resp. Ed.), Candidate of Technical Sciences; V.Y. Aptit, Candidate of Technical Sciences; A.P. Kropotin, Candidate of Technical Sciences; N.I. Fe. Savel'yev; Tech. Ed.: Ya. Pogorelskiy.

PURPOSE: This collection of articles is intended for technical personnel concerned with electrical supply systems for means of transportation.

CONTENTS: This collection is the third in a series of works of the Institute of Power and Electrical Engineering Academy of Sciences Litovskoy SSR which deal

with problems connected with the electrical supply systems for transportation. Many of the articles deal with electric generators or electric powerplants, synchronous generators with a built-in power rectifier. Other articles are concerned with the analog simulation of magnetic amplifiers, the investigation of transient processes in automatic regulation circuits, and the application of saturable reactors in transformer substation. References accompany most of the articles.

Chertkov, B.M. Experimental Investigation of an Electric Automobile

Installation Equipped With an AC Generator With a Current-Control

Parametric Circuit

33

Bogoliubov, N.K. Study of DC-Pulsing-Circuit Operation in Generators With

Variable Reaction Speed

41

Aptit, V.Y. Maximum Power of a Synchronous Machine

57

Shul'man, G.L., and K.M. Skruzitis. Three-Phase Inductor Generator With

Double-Touch Winding

69

Skruzitis, K.E. Three-Phase Inductor Generator With Two Stator-Touch

Poles

99

Lavrov, G.I. Recording the Temperature of Generators Fired Under a

Natural Gas During a Run

107

Aptit, V.Y. Equivalent Scheme of a Touched-Armature Magnetic Circuit

113

Kuznetsov, N.A., and V.N. Zelenin. Use of Selenium Rectifiers in

Automobile Electrical Equipment

125

Flaherty, V.P. Universal Characteristics of a Saturable-Reactor Magnetic

133

Amplifier With a DC Output. In view of the large number of types and their connections, determination of their estimated performance will necessarily involve a large number of experiments whose results would be difficult to utilize in practice. In addition, it proves no trivial one problem of determining the characteristics of an amplifier like two others, in order first to determine the actual performance of an ideal rectifier, and secondly to take into account the effect of rectifier resistances. It is shown that during amplifier operation at an active load, the principles of design and the determination of universal performance are the same for amplifiers operating through an ideal rectifier and for amplifiers with real rectifiers. The author discusses some general characteristics common to all magnetic amplifiers, e.g., the current gain factor, the power factor, the power gain factor, and the volume of steel and copper. The author concludes that the universal curves obtained are valuable for determining various characteristics of amplifiers operating with active loads, and thus for carrying out a qualitative analysis of an amplifier in regard to its common parameters. The latter are helpful in evaluating how the load characteristic of an amplifier is affected by structural changes. There are 4 references. All Series.

KANDRAC, M. S.; DVORAK, L.; SLAVIK, K.; SKRUZNA, O.

Insulin resistance and its biochemical aspects in a case of  
severe juvenile diabetes. Cas. lek. cesk. 95 no.22:593-600  
1 June 56.

1. III. interni klinika Karlovy univerzity v Praze (prednosta  
akademik Josef Charvat) Ustredni biochemicke laboratoare SFN  
(Prednosta prof. MUDr. J. Horejsi).

(DIABETES MELLITUS, therapy,  
insulin, biochem. aspects of resist. in adolescent (Cz))  
(INSULIN, therapeutic use,  
diabetes mellitus, biochem. aspects of resist. in  
adolescent (Cz))

~~SKRVKOVA, BOY MUDR.~~

District health system of Czechoslovakia. Česk. zdravot. 6 no.7:345-  
354 July 58.

1. Vyzkumny ustav organizace zdravotnictvi v Praze.  
(PUBLIC HEALTH  
in Czech., district health system (Cz))

BOGATYREV, A.S., konstruktor zavoda, g.Irkutsk; MIKHAI'CHENKO, V.; TSUKASOV, I. (pos.Ili, Alma-Atinskoy obl.); KRYLOV, N.; SKRYABIN, A.; KUNILOVSKIY, K., (Leningrad, Sinopskaya nab., 66, kv.5)

Advertisement board. Izobr. i rats. no.11:52-53 N 160.  
(MIRA 13:10)

1. Leznikovskoye kar'yeroupravleniye, Zhitomirskoy obl. (for Mikhai'-chenko). 2. Predsedatel' pervichnoy organizatsii Vsesoyuznogo obshchestva izobretateley i ratsionalizatorov, g.Ivanovo (for Skryabin).

(Technological innovations)

SKRYABIN, A.

The "alkali number" in water analysis. Mor.flot 7 no.8:36-37 Ag '47.  
(MLRA 9:6)

1. Nachal'nik gruppy teplotekhniki SGMV.  
(Feed-water purification)

SKRYABIN, A. A.

SKRYABIN, A. A. -- "The Supply and Use of Saltykovo Silver-Black Foxes  
on the Madona Animal Sovkhoz." Min Higher Education USSR. Moscow  
Veterinary Academy. (Dissertation for the Degree of Candidate in  
Agricultural Sciences).

So.: Knizhnaya Letopis', No. 2, 1956.

SOV/124 58 10-11682

Translation from: Referativnyy zhurnal, Mekhanika, 1958, Nr 10, p 138 (USSR)

AUTHOR: Skryabin, A I

TITLE: Stability of Linear Rods With Abrupt Variations in Stiffness (Ustoychivost' pryamolineynykh sterzhney s zhestkost'yu izmenyayushcheysha skachkami)

PERIODICAL: Tr. Mosk. in-ta inzh. zh. i d. transp., 1957, Nr 91 pp 77-90

ABSTRACT: The derivation of characteristic equations is presented for the buckling of a beam having stepwise variations in stiffness in 2, 3, 4, and 5 segments. The order of drawing up the characteristic equation is described for any number of segments of different stiffness. A table of critical loads is drawn up for a beam with three different stiffness segments of equal length. It is shown how to determine the critical load of a beam of uniformly changing stiffness by the substitution of a stepped beam inscribed and circumscribed about the given beam. This condition is illustrated by a numerical example for a beam clamped at one end with stiffness varying according to a linear law and with a top-to-bottom-end stiffness ratio of the beam equal to 0.4. P. A. Stepin

Card 1/1

SMIRNOV, Anatoliy Filippovich, doktor tekhn. nauk, prof.; ALEKSANDROV, Anatoliy Vasil'yevich, kand. tekhn. nauk, dots.; MONAKHOV, Nikolay Ivanovich, kand. tekhn. nauk, dots.; PARFENOV, Dionisiy Fedorovich, dots.; SKRYABIN, Aleksandr Ivanovich, kand. tekhn.nauk, dots.; FEDORKOV, Georgiy Vasil'yevich, kand. tekhn. nauk, dots.; KHOLCHEV, Vasiliy Vasil'yevich, kand. tekhn. nauk, dots.; DARKOV,A.V., prof., retsenzent; STARSHINOV, K.K., kand. tekhn.nauk, retsenzent; BURCHAK, G.P., kand. tekhn.nauk, red.; VERINA, G.P., tekhn. red.

[Strength of materials] Soprotivlenie materialov. Moskva, Vses. izdatel'sko-poligr.ob"edinenie M-va putei soobshcheniya, 1961. 591 p.  
(MIRA 14:12)

1. Chlen-korrespondent Akademii Stroitel'stva i Arkhitektury SSSR  
(for Smirnov).

(Strength of materials)

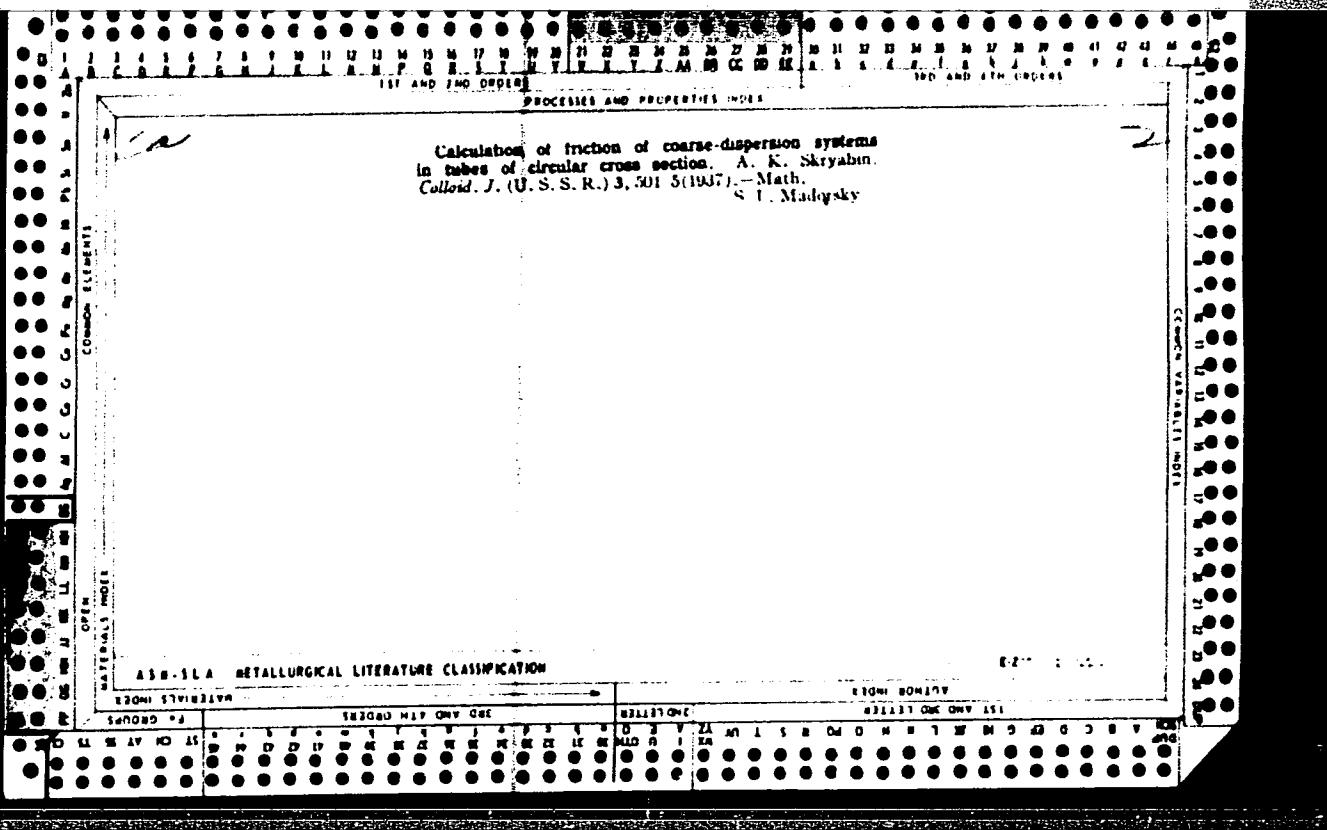
SKRYABIN, A.I., kand.tekhn.nauk, dotsent

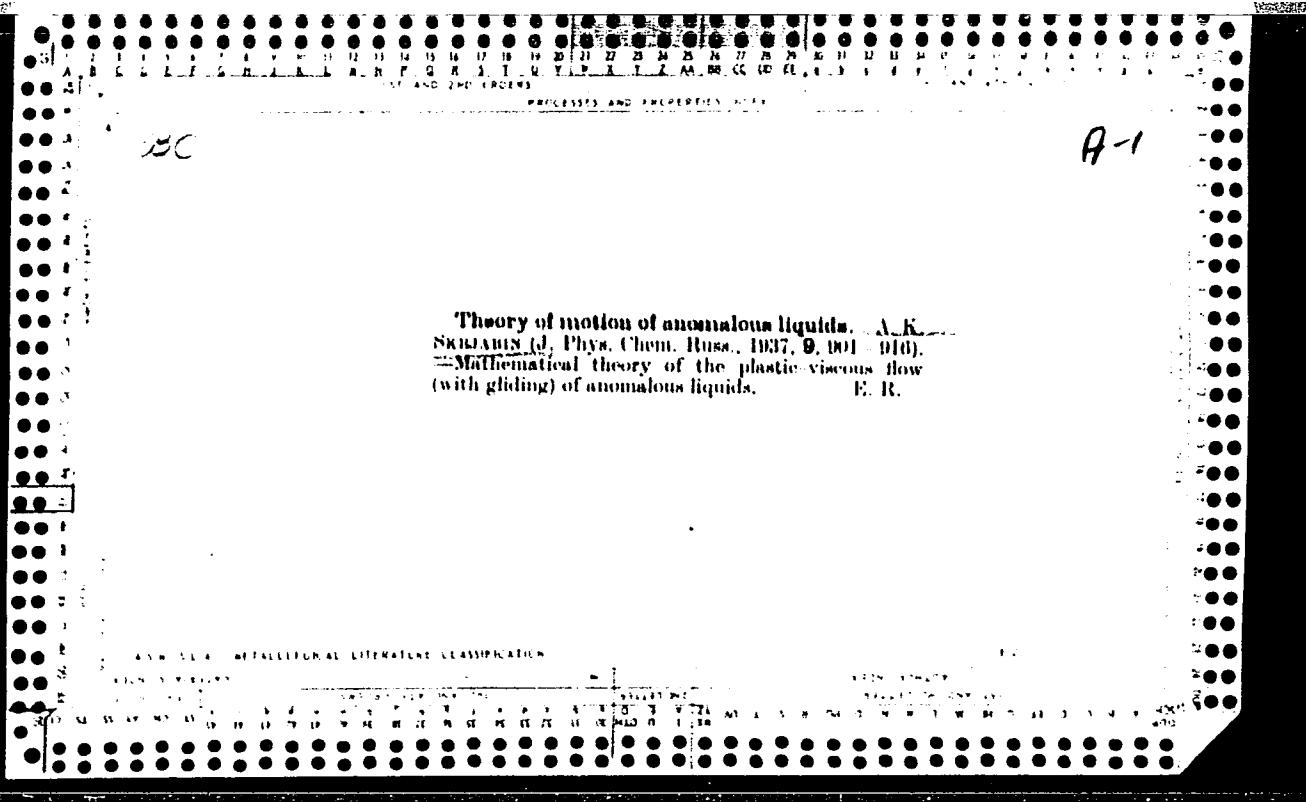
Strength of stepped rods subjected to an arbitrary load. Trudy  
MIIT no.131:111-125 '61. (MIRA 14:5)  
(Elastic rods and wires)

Method of determining viscosity of peat pulp and other dispersed systems. A. K. Skryabin. *Colloid J.* (U. S. S. R.) 3, No. 3, 209-16 (1937). The Skryabin viscometer consists of a hollow sphere which is lowered into the mass to be tested by means of a holder, to a certain depth, and then released. The time it takes for the sphere to reach the surface serves as a measure of the viscosity of

the mass. An equation is given expressing  $\eta$  in terms of time and const. of the app. S. L. Madorsky

434.564 - RETALIOPHICAL LITERATURE CLASSIFICATION



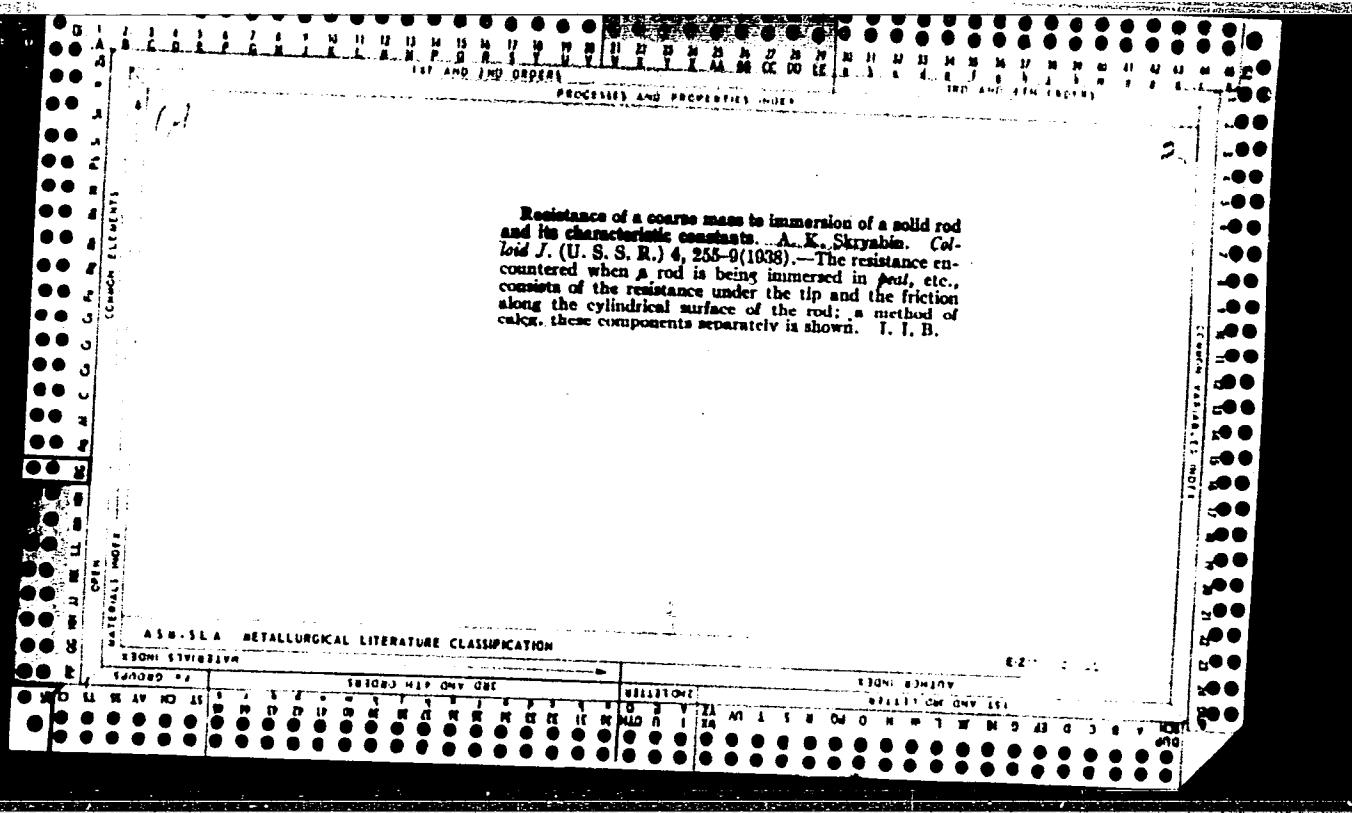


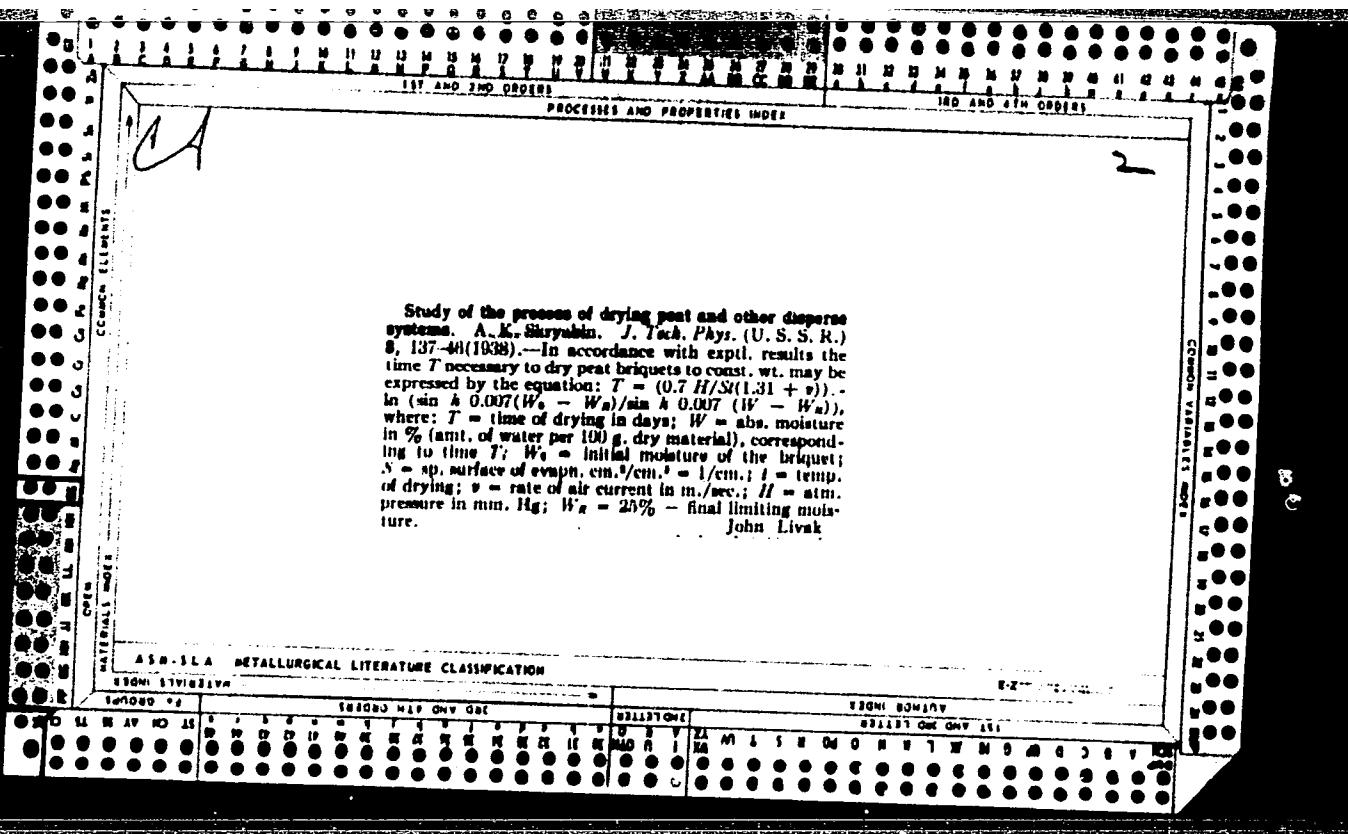
A. K. Skryabin. *Colloid J. (U. S. S. R.)* 4, 240 (1913).  
—Investigation of the process of crushing a coarse mass  
The rate of filtration of  $H_2O$  through peat increases in  
the course of such treatment. The viscosity of the peat  
water mist, which is an intermediate stage in the peat-  
ing of peat, decreases after each passage through the roller.  
Math. expressions for both effects are given. J. J. B.

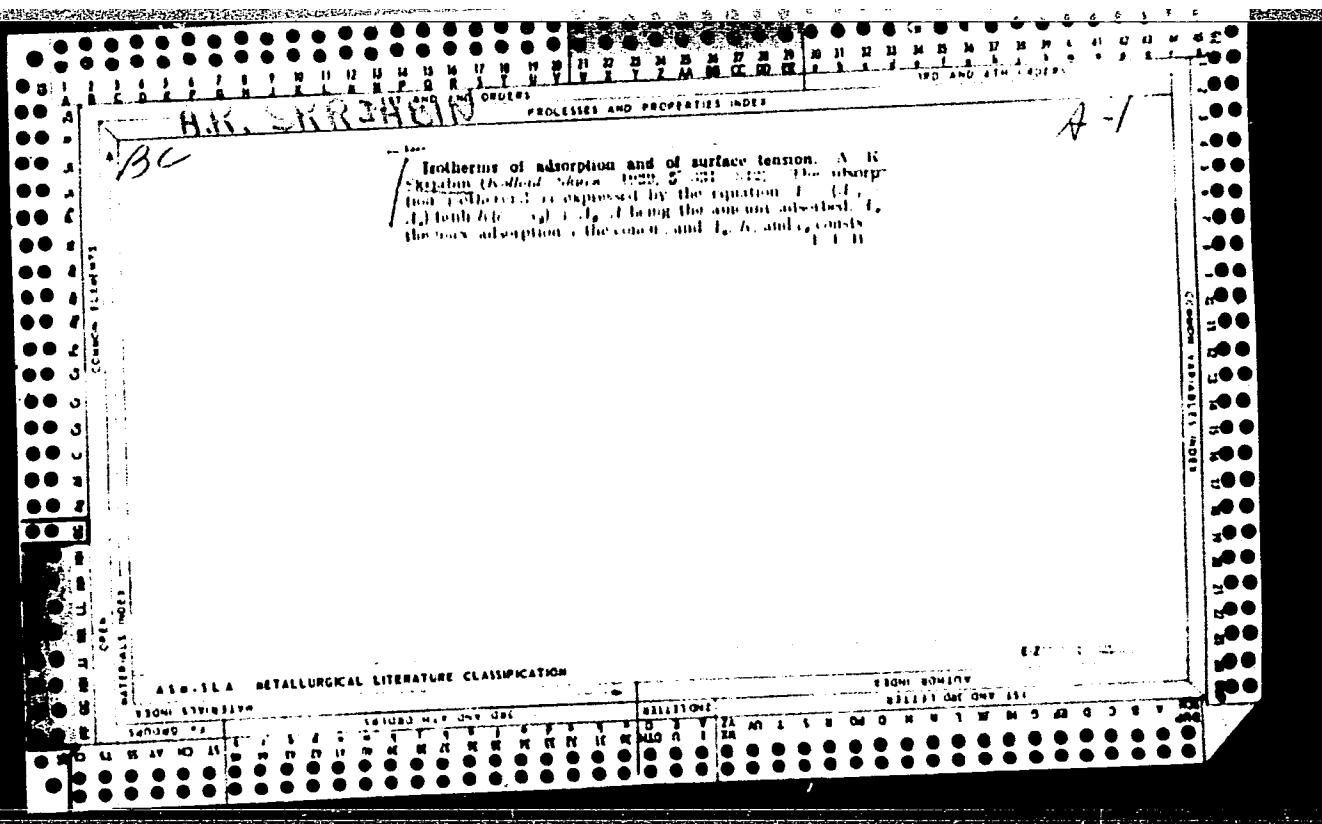
## ASSOCIATION METALLURGICAL LITERATURE CLASSIFICATION

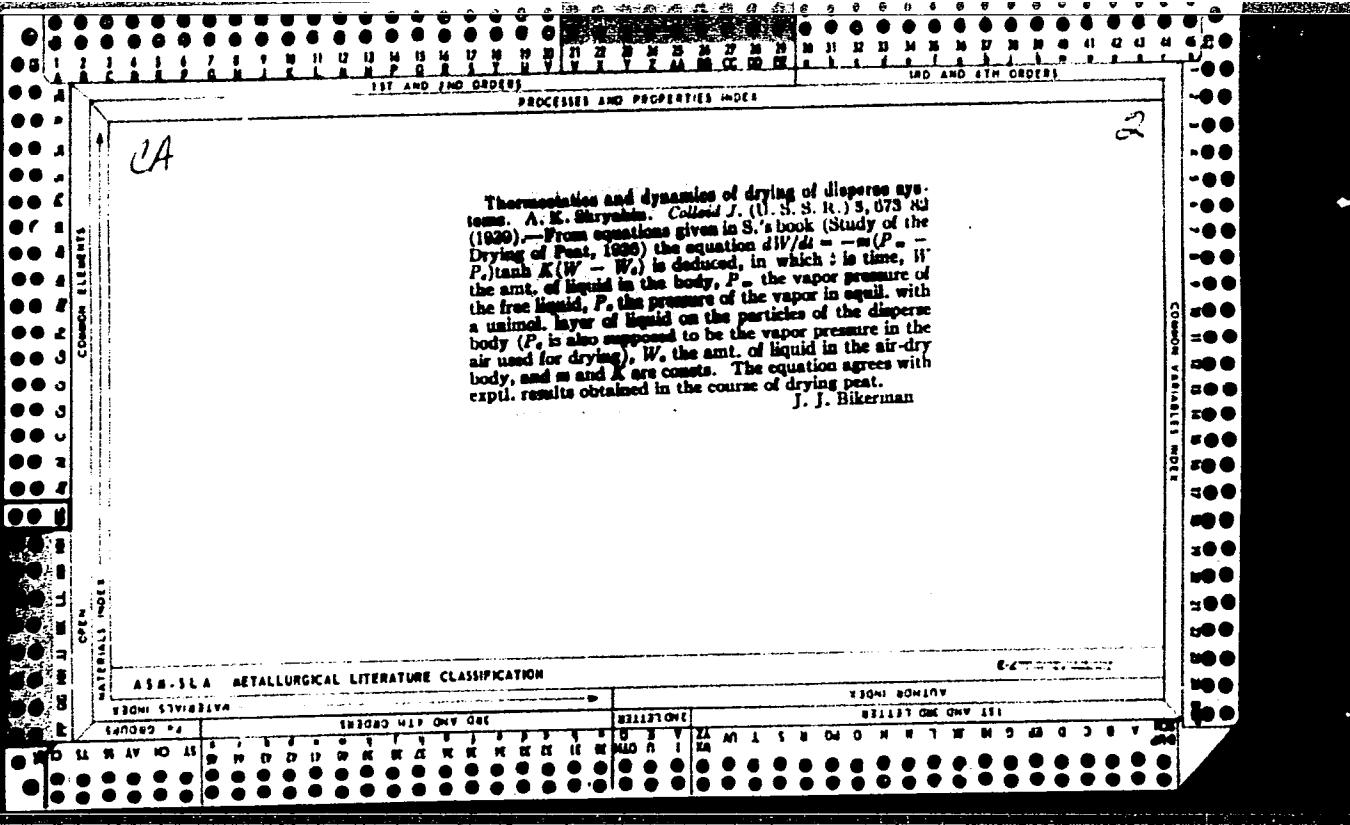
APPROVED FOR RELEASE: 07/13/2001

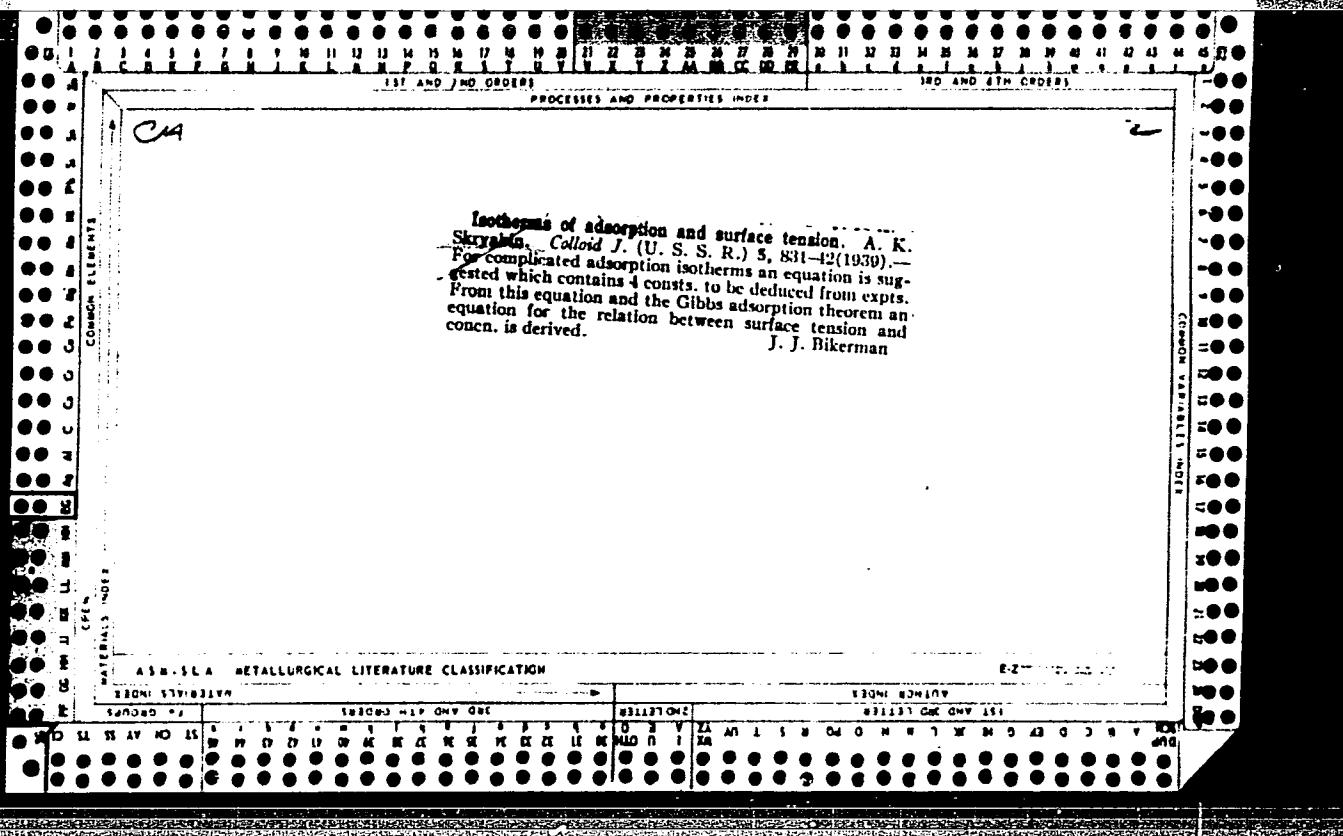
CIA-RDP86-00513R001651130007-7"











SKHYABIN, A.K.

Heat transfer and hydraulic losses in needle-type gas heaters. Izv. AN  
SSSR Otd. tekh. nauk no. 2:189-203 '47. (MLRA 6:12)

1. Energeticheskiy institut im. G.M.Krzhizhanovskogo Akademii nauk SSSR.
2. Predstavлено академиком А.В.Винтером. (Heating plants)

SKRYABIN, A. K. Doc Tech Sci -- (diss) "The Hydrodynamic Properties of Structuralized Disperse Mixtures ~~in~~ Taking Account <sup>into</sup> ~~of~~ the Exchange ~~of~~ Heat With the <sup>Surrounding</sup> ~~Ambient~~ Medium." Mos, 1957. 24 pp 22 cm. (Min of Higher Education, Mos Chemical-Technological Inst im D. I. Mendeleyev), 120 copies (KL, ~~XXXX~~ 17-57, 96)

SKRYABIN, A. K.

✓ The kinetics of crystallization processes of solutions and melts. A. K. Skryabin (Sci. Research Inst. Chem. Machine Building, Moscow). Zhur. Fiz. Khim. 31, 789-91 (1957). —

The crystal kinetics in a thermally insulated and a thermally un-insulated supersaturated or supercooled medium is discussed. The kinetic equations of solids and melts were derived with and without consideration of superheat. The theoretical kinetic curves agreed with exptl. results for K-Al alum crystn. from solns., and of Al, Zn, Pb, and Sn metal crystn. from melts. Kinetic equations were also derived for the crystal, with consideration of the thermal resistance of the growing layer of crystals and the thickness of the crystallizer wall.

W. M. Sternberg

Q  
1-4E4

1-4E4

1-4E7C

1-4E3C

SKVYALIN, Aleksandr Konstantinovich (Sci-Res Inst of Chem Machine Constr) awarded sci d-gree of Doc Tech Sci for 15 May 57 defense of dissertation: "Hydrodynamic attributes of structuralized [? -- strukturirovannykh <sup>[dispersnykh]</sup> dispersed/mixtures with account taken of the exchange of heat with the surrounding milieu" at the Council, Nos Chemicco-Technolog Inst imeni Mendeleyev; Prot No 6, 15 Mar 58.

(BMO, 7-58,21)

SKRYABIN, A.K., doktor tekhn.nauk

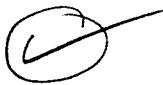
Hydrodynamic properties of multiphase dispersed mixtures. Sbor.  
st. MIKHIMASH no.24:91-106 '58. (MIRA 12:1)  
(Fluid dynamics)

SOV/81-59-7-23598

Translation from: Referativnyy zhurnal. Khimiya, 1959, Nr 7, p 282 (USSR)

AUTHOR: Skryabin, A.K.

TITLE: A Method for Calculating the Hydraulic Resistance in Pipes in the  
Case of Pumping Viscous and Elastic-Viscous-Plastic Products  
Under the Conditions of Heat Exchange and High Pressure

PERIODICAL: Sb. statey. Vses. n.-i. i konstrukt. in-t khim. mashinostr.,  
1958, Vol 24, pp 107 - 125 

ABSTRACT: Equations were cited for calculating the pressure drop in laminar  
and turbulent motions of viscous-elastic-plastic dispersed  
mixtures. Conditions of heat exchange and the effect of tem-  
perature on the physical properties of the mixture, which change  
along the length of the pipe, are taken into account. Cases of  
mixed and stratified motion of gas-liquid mixtures were considered.  
Semi-empirical equations were proposed for calculating the viscosity  
as a function of the pressure and the temperature.

Card 1/1

From the author's summary

5(4)  
AUTHOR:

Skryabin, A. K.

SOV/76-33-1-12/45

TITLE:

The Extraction Process (Protsess ekstraktsii)

PERIODICAL:

Zhurnal fizicheskoy khimii, 1959, Vol 33, Nr 1, pp 74-77 (USSR)

ABSTRACT:

Two cases of extraction in the liquid phase were investigated by means of an extraction column (Fig 1). In the first case the specifically lighter extraction medium is dispersed by an injection nozzle from below into the solution. Starting from an approximation to Stokes' (Stoks) equation some equations are derived according to the diffusion law, and a diagram of the concentration distribution in the column is plotted (Fig 2). In analogy to the heat transmission process a final equation is worked out. In the second case the specifically heavier solution is injected from above into the column containing the extraction medium; thus, the same process is carried out, showing only a difference in the current direction. The optimum conditions of the extraction are influenced by the following factors: 1) the dispersion degree of the emulsion, which depends on the dispersion arrangement; 2) the velocity of flow and the rate at which the liquids are added; 3) the geo-

Card 1/2

SOV/76-33-1-12/45

The Extraction Process

metric forms of the separation-redispersion trays in the extraction column. It is mentioned that the experiments were carried out with gasoline-water, and ether-acetic acid-water mixtures. The theoretical considerations are based on the Einstein (Eynshteyn)-Smolukhovskiy equation. There are 2 figures and 1 Soviet reference.

ASSOCIATION: Nauchno-issledovatel'skiy institut khimicheskogo mashinostroyeniya, Moskva (Scientific Research Institute for Chemical Machine Building, Moscow)

SUBMITTED: June 15, 1957

Card 2/2

DELYAMURE, S.L.; SKRYABIN, A.S.

General features of the geographical distribution of helminths  
infesting sea mammals. Izv. Krym. otd. Geog. ob-va no.5:247-253  
(MIRA 14:9)  
'58.  
(Helminthology) (Parasites--Pinnipedia) (Parasites--Cetacea)

DELYAMURE, S.L.; SKRYABIN, A.S.

Helminths parasitic in fur seals of Komandorskiye Islands. Nauch.  
dokl.vys.shkoly; biol.nauki no.2:11-14 '60. (MIRA 13:4)

1. Rekomendovana kafedroy zoologii Krymskogo pedagogicheskogo instituta.  
(KOMANDORSKIYE ISLANDS--WORMS, INTESTINAL AND PARASITIC)  
(PARASITES--SEALS (ANIMALS))

SKRYABIN, A. S., CAND BIO SCI, "HELMINTHOFAUNA OF  
MARINE MAMMALS OF THE PACIFIC OCEAN AND FAR EAST SEAS."  
SIMFEROPOL', 1960. (ALL-UNION INST OF HELMINTHOLOGY IN  
ACAD K. I. SKRYABIN). (KL, 3-61, 211).

. 150

"APPROVED FOR RELEASE: 07/13/2001

CIA-RDP86-00513R001651130007-7

DELYAMURE, S.L.; YURCHIKIN, Yu.V.; SHVABIN, A.S.

Helminths of the Caspian sea (Phoca caspica L.). Trudy Astr. zap.  
(MIRA 18:10)  
no.9:105-112 '64.

APPROVED FOR RELEASE: 07/13/2001

CIA-RDP86-00513R001651130007-7"

~~CB~~ SKRYABIN, F. A.

15

Additions of granular superphosphate to cotton at time  
of planting on gray-semidesert soils. F. A. Skryabin,  
M. A. Belousov, I. M. Mal'tseva, and M. A. Lozovat-  
skaya. *Noved. Agron.* **8**, No. 3, 72-6 (1950). Banding  
granular superphosphate proved to be effective on cotton.  
J. S. Joffe

SKRYABIN, F.A.

Preserving manure with supraphosphate. Izv. AN Uz.SSR no.1:69-79  
'53. (MIRA 11;3)

(Fertilizers and manures--Preservation and storage)  
(Phosphates)

Country : USSR  
Category: Soil Science. Mineral Fertilizers.

Abs Jour: EZhBiol., No 13, 1958, No 82114

Author : Akchurina, N.A.; Alimov, V. Z.; Skryabin, F. A.  
Inst : Inst of Agriculture, Uzhek SSR  
Title : Characteristics and Effectiveness of Liquid Ammoniate  
Fertilizer.

Orig Pub: Sots. s.Mi. Uzbekistana, 1957, No 3, 21-25.

Abstract: In 1956 the Institute of Agriculture of the Academy of Sciences Uzbek SSR established by laboratory, vegetative, field, and industrial experiments the expediency of the application of ammoniate, the preparation of which is 25-40% cheaper than the preparation of solid fertilizer. By placing full rates of N in the vegetation period, the ammoniate increased the harvest of cotton wool

Card : 1/2

J

Country : USSR

Category: Soil Science. Mineral Fertilizers.

Abs Jour: RZhBiol., No 18, 1958, No 82114

(brand 108-f) 7% in comparison with Naa. The process  
of nitrification of ammoniate was thoroughly completed  
in the soil on the 12th day, and the nitrate content  
of N in the soil was higher than with the application  
of Naa. Applying only one part of the ammoniate under  
the plowing will not significantly increase the harvest.  
-- V.D. Astaf'yeva

Card : 2/2

SKRYABIN, F.A.; GLAGOLEVA, A.F.

Diagnosing the mineral requirements of the cotton plant.  
Uzb. biol. zhur. no.4:9-18 '58.

(MIRA 11:12)

1.Institut sel'skogo khozyaystva AN UzSSR.  
(Cotton--Fertilizers and manures)

SKRYABIN, F.A.; DERGUNOV, I.D.

Effectiveness of phosphorus fertilizers. Dokl. AN Uz.SSR no.7:  
55-58 '58. (MIRA 11:10)

1. Institut genetiki i fiziologii rasteniy AN UzSSR. Predstavлено  
членом-корреспондентом AN UzSSR A.M. Mal'tsevym.  
(Cotton--Fertilizers and manures) (Phosphates)

SKRYABIN, F.A.

Comparative effect of joint application of manure and mineral  
fertilizers on cotton yield. Pochvovedenie no.11:82-88 N '62.

1. Tashkentskiy sel'skokhozyaystvennyy institut.  
(Cotton--Fertilizers and manures)

SKRYABIN, F.A.

Effect of mineral fertilizers on the humification of alfalfa  
roots and manure in Sierozems; based on pot experiments.  
Pochvovedenie no.12:91-95 D '62. (MIRA 16:2)

1. Tashkentskiy sel'skokhozyaystvennyy institut.  
(Alfalfa) (Humus) (Cotton--Fertilizers and manures)

SKRYABIN, G.I.

Action of microdoses of aminazine on healthy and mentally ill subjects. Zhur. nevr. i psikh. 62 no.2:219-222 '62.

(MIRA 15:6)

1. Ivanovskaya oblastnaya psikhonevrologicheskaya bol'ница "Zinovo" (glavnnyy vrach V.N. Platonov, nauchnyy konsul'tant A.M. Druzhinin [deceased]).

(CHLORPROMAZINE)

SKRYABIN, G. N.

SKRYABIN, G. N. -- "Investigation of the Process of Cutting Peat at Various Cutting Speeds (Adapted to Mining Kuskovo Peat)." Min Higher Education USSR. Moscow Peat Inst. Moscow, 1955. (Dissertation for the Degree of Candidate of Technical Sciences.)

SO: Knizhnaya letopis', No. 4, Moscow, 1956

SKRYABIN, G.N., kand.tekhn.nauk

Dependence of the specific resistance of peat to cutting on the  
average thickness of the cuttings. Torf.prom. 39 no.2:12-14  
'62. (MIRA 15:5)

1. Kalininckiy torfyanoy institut.  
(Peat machinery)

SKRYABIN, G.N., kand.tekhn.nauk

Determining the peat milling capacity of equipment. Torf.prom.  
39 no.4:12-14 '62. (MIRA 15:7)

1. Kalininskiy torfyanoy institut.  
(Peat machinery--Testing)

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CIA-RDP86-00513R001651130007-7

Soviet Union

Dargatz, L. R., "Operation 'Spartacus': Soviet intelligence and the Berlin Wall,"  
Strategic Survey Book, 1970-1971, pp. 111-112, 1971.

See: Dargatz, L. R., "Operation 'Spartacus': Soviet intelligence and the Berlin Wall," p. 112, 1971.

APPROVED FOR RELEASE: 07/13/2001

CIA-RDP86-00513R001651130007-7"

SKRYABIN, K., akademik, Geroy Sotsialisticheskogo Truda, laureat Leninskoy premii; SAMSONOV, B.; PUSHKINA, Ye., vrach (selo Larga, Moldavskaya SSR); KCHACHATURIAN, A., kompozitor, narodnyy artist SSSR, laureat Leninskoy premii; RUDENKO, A., gornyy master; TERESHENKOV, Ye.; ABDRAZAKOV, T., kand. ekon. nauk

Our interviews. Sov. profsoiuzy 18 no.13:7-9 Jl '62. (MIRA 15:6)

1. Model'shchik Lyuberetskogo zavoda sel'skokhozyaystvennykh mashin (for Samsonov).
2. Shakhta No.5 tresta "Vorkutaugol'" (for Rudenko).
3. Zaveduyushchiy kafedry politekonomii Karagandinskogo pedagogicheskogo instituta (for Abdrazakov).

(Disarmament) (Peace)

KRASIL'NIKOV, N.A.; KORENYAKO, A.I.; NIKITINA, N.I.; SKRYABIN, G.K.

Intra-and interspecific correlations and principles of species identification in bacterial antagonists. Izv.Akad.nauk SSSR. Ser.biol.,  
Moskva No.4:66-80 July-Aug 51. (CIML 21:1)

1. Institute of Microbiology of the Academy of Sciences USSR.

KRASIL'NIKOV, N.A.; KORENYAKO, A.I.; NIKITINA, N.I.; SKRYABIN, G.K.

Nature of inter-species antagonism as a principle in identification  
of subdivisions of species in microorganisms. Doklady Akad. nauk  
SSSR 77 no.4:725-728 Apr 1951. (CIML 20:7)

1. N.A. Krasil'nikov is a Corresponding Member of the Academy of  
Sciences USSR.

"APPROVED FOR RELEASE: 07/13/2001

CIA-RDP86-00513R001651130007-7

SKRYABIN, G.K., KRASILNIKOV, N.A., KUCHAYEVA, A.G., NIKITINA, N.I.

"Microbes-Antagonists in Plant Diseases," a paper presented at the Antibiotics Research Conf., Feiping, 1-6 December 1955

In Library  
DB-3<sup>843</sup>

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CIA-RDP86-00513R001651130007-7"

SKRYABIN, G.K.

Morphological modifications in Bac. mesentericus cells following  
use of antibiotics from Actinomyces. Mikrobiologija 24 no.3:303-  
308 My-Je '55. (MLRA 8:7)

1. Institut mikrobiologii Akademii nauk SSSR, Moskva.  
(ANTIBIOTICS, effects,  
Actinomyces antibiotics, on Bacillus mesentericus)  
(BACILLUS,  
mesentericus, eff. of antibiotics from Actinomyces)

SKRYABIN, G.K.

Certain features of intra- and interspecific relationships of  
Actinomycetes. Mikrobiologija 24 no.6:690-696 N-J '55. (MLRA 9:4)

(ACTINOMYCES,  
inter- & intraspecies relationships)

"APPROVED FOR RELEASE: 07/13/2001

CIA-RDP86-00513R001651130007-7

KORENYAKO, A.I.; KUCHYEVA, A.G.; SKRYABIN, G.K.; BEKTEREVA, M.N.; NIKITINA, N.I.;  
ARTAMONOVA, O.I.

New antibiotics. Vest. AN SSSR 26 no. 6:95-96 Je '56. (MLR 9:9)  
(ANTIBIOTICS)

APPROVED FOR RELEASE: 07/13/2001

CIA-RDP86-00513R001651130007-7"

SKRYABIN, G.K.

USSR/Virology - Human and Animal Viruses.

E-3

Abs Jour : Ref Zhur - Biol., No 3, 1958, 9664

Author : Skryabin, G.K.

Inst : -

Title : Virusin 1609 -- A New Antivirus Antibiotic of Actinomycete Origin.

Orig Pub : Antibiotiki, 1957, 2, No 1, 10-13

Abstract : Cultivation of actinomycete No 1609, which belongs to the group of pigment-forming gray actinomycetes, produced an antibiotic substance designated as "virusin 1609". This substance has the property of inhibiting many grampositive and gramnegative forms of saprophytic and pathogenic microorganisms. The substance is active against viruses: epidemic encephalitis, gripppe and pox-vaccine, also against some actinophages. The preparation is a yellow powder, easily soluble in water, methyl and ethyl alcohols; insoluble in other organic solvents. The raw antibiotic is stable when stored at 3-5°.

Card 1/1

SKRYABIN, G.K.

Using antibiotics in stockbreeding. Antibiotiki, 2 no.2:61-63 Mr-App  
'57 (MLRA 10:5)  
(ANTIBIOTICS) (STOCK AND STOCKBREEDING)

KRASIL'NIKOV, N.A.; SKRYABIN, G.K.

Development of studies on antibiotics through research performed by  
Soviet microbiologists. Antibiotiki 2 no.5:3-7 S-0 '57. (MIRA 10:12)

1. Institut mikrobiologii AN SSSR.  
(ANTIBIOTICS,  
research in Russia (Rus))